

## SEQUENCE LISTING

SEQ. I.D. NO. 1

GCTATGGAGCTGCTGTGCTGCGAGGTGGACCCGGTCCGCAGGGCCGTG  
CCGGACCGCAACCTGCTGGAAGACCGCGTTCTGCAGAACCTGTTGACC  
ATCGAGGAGCGCTACCTCCCGCAGTGTTCCTATTTCAAGTGC GTGCAG  
AAGGACATCCAACCGTACATGCGCAGGATGGTGGCCACCTGGATGCTA  
GAGGTCTGTGAGGAACAAAAGTGTGAAGAAGAGGTCTTTCCTCTGGCC  
ATGAATTACCTGGACCGTTTCTTGGCTGGAGTCCCGACTCCTAAGACCC  
ATCTTCAGCTCCTGGGTGCAGTGTGCATGTTCCCTAGCTTCCAAGCTGAA  
AGAGACCATCCCGCTGACTGCGGAAAAGCTGTGCATTTACACCGACAA  
CTCTGTGAAGCCCCAGGAGCTGCTGGAGTGGGAACTGGTAGTGTGGG  
TAAGCTGAAGTGGAACCTGGCCGCAGTCACCCCTCACGACTTCATTGA  
GCACATCCTTCGCAAGCTGCCCCAGCAAAAGGAGAAGCTGTCCCTGAT  
CCGCAAGCATGCGCAGACCTTCATCGCTCTGTGCGCTACCGACTTCAA  
GTTTGCCATGTACCCGCCATCGATGATTGCAACTGGAAGCGTGGGAGC  
AGCCATCTGTGGGCTTCAGCAGGATGATGAAGTGAACACACTCACGTG  
TGATGCCCTGACTGAGCTGCTGGCCAAGATCACCCACACTGATGTGGA  
TTGTCTCAAAGCCTGCCAGGAGCAAATCGAAGCTCTGCTGCTGAACAG  
CCTGCAGCAGTTCCGTCAAGAGCAGCATAACGCCGGATCCAAGTCTGT  
GGAAGATCCGGACCAAGCCACCACCCCTACAGACGTGCGGGATGTTG  
ACCTGTGAGGA

SEQ. I.D. NO. 2

MHC Promoter (genebank accession #71441)

GGATCCTGCAAGGTCACACAAGGGTCTCCACCCACCAGGTGCCCTAGT  
CTCAATTTTCAGTTTCCATGCCTTGTTCTCACAATGCTGGCCTCCCCAGA  
GCTAATTTGGACTTTGTTTTTATTTCAAAAGGGCCTGAATGAGGAGTAG  
ATCTTGTGCTACCCAGCTCTAAGGGTGCCCGTGAAGCCCTCAGACCTG  
GAGCCTTTGCAACAGCCCTTTAGGTGGAAGCAGAATAAAGCAATTTTC  
CTTAAAGCCAAAATCCTGCCTCTAGACTCTTCTTCTCTGACCTCGGTCC  
CTGGGCTCTAGGGTGGGGAGGTGGGGCTTGGAAGAAGAAGGTGGGGA  
AGTGGCAAAAGCCGATCCCTAGGGCCCTGTGAAGTTCGGAGCCTTCCC  
TGACAGCACTGGCTCATAGATCCTCCTCCAGCCAAACATAGCAAGAA  
GTGATACCTCCTTTGTGACTTCCCCAGGCCCAGTACCTGTCAGGTTGAA  
ACAGGATTTAGAGAAGCCTCTGAACTCACCTGAACTCTGAAGCTCATC  
CACCAAGCAAGCACCTAGGTGCCACTGCTAGTTAGTATCCTACGCTGA  
TAATATGCAGAGCTGGGCCACAGAAGTCCTGGGGTGTAGGAACTGACC  
AGTGACTTTTCAGTCGGCAAAGGTATGACCCCTCAGCAGATGTAGTA  
ATGTCCCCTTAGATCCCATCCCAGGCAGGTCTCTAAGAGGACATGGGA  
TGAGAGATGTAGTCATGTGGCATTCCAAACACAGCTATCCACAGTGTC  
CCTTGCCCCCTTCCACTTAGCCAGGAGGACAGTAACCTTAGCCTATCTTT

CTTCCTCCCCATCCTCCCAGGACACACCCCCCTGGTCTGCAGTATTCATT  
TCTTCCTTCACGTCCCCTCTGTGACTTCCATTTGCAAGGCTTTTGACCTC  
TGCAGCTGCTGGAAGATAGAGTTTGGCCCTAGGTGTGGCAAGCCATCT  
CAAGAGAAAGCAGACAACAGGGGGGACCAGATTTTGGAAGGATCAGGA  
ACTAAATCACTGGCGGGCCTGGGGGTAGAAAAAAGAGTGAGTGAGTC  
CGCTCCAGCTAAGCCAAGCTAGTCCCCGAGATACTCTGCCACAGCTGG  
GCTGCTCGGGGTAGCTTTAGGAATGTGGGTCTGAAAGACAATGGGATT  
GGAAGACATCTCTTTGAGTCTCCCCTCAACCCACCTACAGACACACT  
CGTGTGTGGCCAGACTCCTGTTCAACAGCCCTCTGTGTTCTGACCACTG  
AGCTAGGCAACCAGAGCATGGGCCCTGTGCTGAGGATGAAGAGTTGG  
TTACCAATAGCAAAAACAGCAGGGGAGGGAGAACAGAGAACGAAATA  
AGGAAGGAAGAAGGAAAGGCCAGTCAATCAGATGCAGTCAGAAGAG  
ATGGGAAGCCAACACACAGCTTGAGCAGAGGAAACAGAAAAGGGAG  
AGATTCTGGGCATAAGGAGGCCACAGAAAGAAGAGCCCCAGGCCCCC  
AAGTCTCCTCTTTATACCCTCATCCCGTCTCCCAATTAAGCCCACTCTT  
CTTCCTAGATCAGACCTGAGCTGCAGCGAAGAGACCCGTAGGGAGGAT  
CACACTGGATGAAGGAGATGTGTGGAGAAGTCCAGGGCAACCTAAGA  
GCCAGAGCCTAAAAGAGCAAGAGATAAAGGTGCTTCAAAGGTGGCCA  
GGCTGTGCACACAGAGGGTTCGAGGACTGGTGGTAGAGCCTCAAGATA  
AGGATGATGCTCAGAATGGGCGGGGGGGGGGATTCTGGGGGGGGGAG  
AGAGAAGGTGAGAAGGAGCCTGGAACAGAGAATCTGGAAGCGCTGGA  
AACGATACCATAAAGGGAAGAACCCAGGCTACCTTTAGATGTAAATCA  
TGAAAGACAGGGAGAAGGGAAGCTGGAGAGAGTAGAAGGACCCCGG  
GGCAAGACATGGAAGCAAGGACAAGCCAGGTTGAGCGCTCCGTGAAA  
TCAGCCTGCTGAAGGCAGAGCCCTGGTATGAGCACCAGAACAGCAGA  
GGCTAGGGTTAATGTTCGAGACAGGGAACAGAAAGGTAGACACAGGAAC  
AGACAGAGACGGGGGAGCCAGGTAACAAAGGAATGGTCCTTCTCACC  
TGTGGCCAGAGCGTCCATCTGTGTCCACATACTCTAGAATGTTTCATCAG  
ACTGCAGGGCTGGCTTGGGAGGCAGCTGGAAAGAGTATGTGAGAGCC  
AGGGGAGACAAGGGGGCCTAGGAAAGGAAGAAGAGGGCAAACCAGG  
CCACACAAGAGGGCAGAGCCCAGAACTGAGTTAACTCCTTCTTGTG  
CATCTTCCATAGGAGGCAGTGGGAACCTCTGTGACCACCATCCCCATG  
AGCCCCCACTACCCATACCAAGTTTGGCCTGAGTGGCATTCTAGGTTCC  
CTGAGGACAGAGCCTGGCCTTTGTCTCTTGGACCTGACCCAAGCTGAC  
CCAATGTTCTCAGTACCTTATCATGCCCTCAAGAGCTTGAGAACCAGG  
CAGTGACATATTAGGCCATGGGCTAACCCTGGAGCTTGCACACAGGAG  
CCTCAAGTGACCTCCAGGGACACAGCTGCAGACAGGTGGCCTTTATCC  
CCAAAGAGCAACCATTGGCATAGGTGGCTGCAAATGGGAATGCAAG  
GTTGAATCAGGTCCCTTCAAGAATACTGCATGCAAGACCTAAGACCCC  
TGGAGAGAGGGGTATGCTCCTGCCCCCACCACCATAAGGGGAGTGA  
ACTATCCTAGGGGGCTGGCGACCTTGGGGAGACACCACATTACTGAGA  
GTGCTGAGCCCAGAAAACTGACCGCCCTGTGTCCTGCCCACCTCCAC  
ACTCTAGAGCTATATTGAGAGGTGACAGTAGATAGGGTGGGAGCTGGT  
AGCAGGGAGAGTGTTCTTGGGTGTGAGGGTGTAGGGGAAAGCCAGAG  
CAGGGGAGTCTGGCTTTGTCTCCTGAACACAATGTCTACTTAGTTATAA  
CAGGCATGACCTGCTAAAGACCCAACATCTACGACCTCTGAAAAGACA  
GCAGCCCTGGAGGACAGGGGTGTCTCTGAGCCTTGGGTGCTTGATGG  
TGCCACAAAGGAGGGCATGAGTGTGAGTATAAGGCCCCAGGAGCGTT  
AGAGAAGGGCACTTGGGAAGGGGTGAGTCTGCAGAGCCCCTATCCAT

GGAATCTGGAGCCTGGGGCCAACCTGGTGTAAATCTCTGGGCCTGCCAG  
GCATTCAAAGCAGCACCTGCATCCTCTGGCAGCCTGGGGAGGCGGAAG  
GGAGCAACCCCCCACTTATACCCTTTCTCCCTCAGCCCCAGGATTAACA  
CCTCTGGCCTTCCCCCTTCCCACCTCCCATCAGGAGTGGAGGGTTGCAG  
AGGGAGGGTAAAAACCTACATGTCCAAACATCATGGTGCACGATATAT  
GGATCAGTATGTGTAGAGGCAAGAAAGGAAATCTGCAGGCTTAACTG  
GGTTAATGTGTAAAGTCTGTGTGCATGTGTGTGTGTCTGACTGAAAAC  
GGGCATGGCTGTGCAGCTGTTTCAGTTCTGTGCGTGAGGTTACCAGACT  
GCAGGTTTGTGTGTAAATTGCCCAAGGCAAAGTGGGTGAATCCCTTCC  
ATGGTTTAAAGAGATTGGATGATGGCCTGCATCTCAAGGACCATGGAA  
AATAGAATGGACACTCTATATGTGTCTCTAAGCTAAGGTAGCAAGGTC  
TTTGGAGGACACCTGTCTAGAGATGTGGGCAACAGAGACTACAGACA  
GTATCTGTACAGAGTAAGGAGAGAGAGGAGGGGGTGTAGAATTCTCTT  
ACTATCAAAGGGAACTGAGTCGTGCACCTGCAAAGTGGATGCTCTCC  
CTAGACATCATGACTTTGTCTCTGGGGAGCCAGCACTGTGGAACCTCA  
GGTCTGAGAGAGTAGGAGGCTCCCTCAGCCTGAAGCTATGCAGATAG  
CCAGGGTTGAAAGGGGGGAAGGGAGAGCCTGGGATGGGAGCTTGTGTG  
TTGGAGGCAGGGGACAGATATTAAGCCTGGAAGAGAAGGTGACCCTT  
ACCCAGTTGTTCAACTCACCTTCAGATTAAAAATAACTGAGGTAAGG  
GCCTGGGTAGGGGAGGTGGTGTGAGACGCTCCTGTCTCTCCTCTATCT  
GCCCATCGGCCCTTTGGGGAGGAGGAATGTGCCCAAGGACTAAAAAA  
AGGCCATGGAGCCAGAGGGGCGAGGGCAACAGACCTTTCATGGGCAA  
ACCTTGGGGCCCTGCTGTCTCCTGTCACCTCCAGAGCCAAGGGATCA  
AAGGAGGAGGAGCCAGGACAGGAGGGAAGTGGGAGGGAGGGTCCCA  
GCAGAGGACTCCAAATTTAGGCAGCAGGCATATGGGATGGGATATAA  
AGGGGCTGGAGCACTGAGAGCTGTCAGAGATTTCTCCAACCCAGGTAA  
GAGGGAGTTTCGGGTGGGGGCTCTTCACCCACACCAGACCTCTCCCCA  
CCTAGAAGGAACTGCCTTTCCTGGAAGTGGGGTTTCAGGCCGGTCAGA  
GATCTGACAGGGTGGCCTTCCACCAGCCTGGGAAGTTCTCAGTGGCAG  
GAGGTTTCCACAAGAAACACTGGATGCCCTTCCCTTACGCTGTCTTCT  
CCATCTTCCCTCCTGGGGATGCTCCTCCCCGTCTTGGTTTATCTTGGCTCT  
TCGTCTTCAGCAAGATTTGCCCTGTGCTGTCCACTCCATCTTTCTCTACT  
GTCTCCGTGCCTTGCCTTGCCTTCTTGCCTGTCTTCCCTTCCACCCATT  
TCTCACTTACCTTTTCTCCCCTTCTCATTTGTATTATCCTTCCCTTCCCT  
CCTTCCCTTCCCTTCCCTTCCCTTCCCTTCCCTTCCCTTCCCTTCCCTTCCCT  
TCCTTCCCTTCCCTTCCCTTCCCTTCCCTTCCCTTCCCTTCCCTTCCCTTCCCT  
TCACACCTGGGGTTCCCAACCTTATGTAAACAATCTTCCAGTGAGCCAC  
AGCTTCAGTGCTGCTGGGTGCTCTCTTACCTTCCCTCACCCCCTGGCTTG  
TCCTGTTCCATCCTGGTCAGGATCTCTAGATTGGTCTCCAGCCTCTGC  
TACTCCTCTTCCCTGCTTCTCTCTGTCCAGCTGCGCCACTGTGGT  
GCCTCGTTCCAGCTGTGGTCCACATTCTTCAGGATTCTCTGAAAAGTTA  
ACCAGGTGAGAATGTTTCCCCTGTAGACAGCAGATCACGATTCTCCCG  
GAAGTCAGGCTTCCAGCCCTCTCTTTCTCTGCCAGCTGCCCGGCACTC  
TTAGCAAACCTCAGGCACCCTTACCCACATAGACCTCTGACAGAGAA  
GCAGGCACTTTACATGGAGTCCTGGTGGGAGAGCCATAGGCTACGGTG  
TAAAAGAGGCAGGGAAGTGGTGGTGTAGGAAAGTCAGGACTTCACAT  
AGAAGCCTAGCCACACAGAAATGACAGACAGATCCCTCCTATCTCC  
CCCATAAGAGTTTGAGTCGAC

[illegible][illegible][illegible]